

UNITED STATES PLANT PATENT APPLICATION

of

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for

CLEMATIS PLANT NAMED

'Evipo018'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Genus - *Clematis*

5 Subgenus - *flammula*

Section - *viticella*

Variety Denomination

'Evipo018'

COMMERCIAL CLASSIFICATION

10 Early Flowering - Large Flower Cultivar

The present invention constitutes a new and distinct variety of *Clematis* which originated from a controlled crossing between the female parent, an
15 unnamed, non-patented seedling and the male parent, an unnamed, non-patented seedling.

The new clematis may be distinguished from its female seed parent by the following characteristic:

20 While the seed parent has pink flowers 'Evipo018' has red-purple flowers.

The new clematis may be distinguished from its male pollen parent by the following characteristics:

25 While the pollen parent achieves an average season's growth of 2 to 2.5 meters, 'Evipo018'

normally produces 1.5 to 2 meters of growth in one season.

5 The two parents were crossed and the resulting seed was planted in a controlled environment. The new variety is named 'Evipo018'.

10 The objective of the hybridization was to create a new and distinct variety for commercial glasshouse and nursery culture with unique qualities such as:

1. Medium sized red-purple flowers;
 2. Compact growth habit;
 3. Yellow flower center;
 4. Attractive "tulip like" initial opening of
- 15 the flower bud.

20 These qualities required improvement in Clematis varieties that were in commercial cultivation and the objectives have been substantially achieved in the new variety, as evidenced by the unique combination of characteristics that are present in 'Evipo018' which distinguish it from all other varieties of which we are aware.

25 The seeds from the aforementioned hybridization were germinated and evaluations of the resulting seedling plants were conducted in a controlled

environment. As a result, 'Evipo018' was selected
by Raymond J. Evison and Mogens N. Olesen in their
Clematis development program in Domarie Vineries Les
Sauvagees, St. Sampsons, Guernsey, Channel Islands,
5 United Kingdom in April 1998.

Asexual reproduction of 'Evipo018' by cuttings was
first done by Raymond J. Evison and Mogens N. Olesen
in Domarie Vineries Les Sauvagees, St. Sampsons,
10 Guernsey, Channel Islands, United Kingdom in May
1998. This initial and subsequent propagations have
demonstrated that the characteristics of 'Evipo018'
are true to type and are transmitted from one
generation to the next.

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BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration show as
true as is reasonably possible to obtain in color
20 photographs of this type:

- Fig. 1.1 Bloom, upper side;
- Fig. 1.2 Bloom, lower side;
- Fig. 1.3 Mature leaf;
- Fig. 1.4 Flower bud 1/4 open;
- 25 Fig. 1.5 Flower bud attached to stem with
juvenile leaves;
- Fig. 1.6 Stem showing attachment of

leaflets, and juvenile growth.

DETAILED DESCRIPTION OF THE VARIETY

5 The following is a detailed description of
 'Evip0018', as observed in its growth throughout the
 flowering period in glasshouses at Domarie Vineries
 Les Sauvagees, St. Sampsons, Guernsey, Channel
 Islands, United Kingdom. Observed plants were
10 cultivated for a period of 24 months in 2 liter
 containers under normal glasshouse conditions.
 Certain phenotypical characteristics of the variety
 may vary under different environmental, cultural,
 agronomic, seasonal, and climatic conditions. Color
15 references are made using the Royal Horticultural
 Society (London, England) Colour Chart, 1995.

 For a comparison, the nearest existing Clematis
 variety is 'Evifive', a patented variety described
 and illustrated in U.S. Plant Patent No. 10,913
20 issued May 25, 1999. **Chart 1** details several
 physical characteristics of the applicant and the
 comparison variety.

Chart 1

	'Evipo018'	'Evifive'
25 Leaflet Size	50 mm wide	30 mm wide
Typical	1.5 to 2 meters	2 to 2.5 meters
season's growth		

Flower Size	100 to 120 mm	150 to 180 mm
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FLOWER AND FLOWER BUD

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Blooming habit: Recurrent. Flowering period is normally May to June, and August to September.

Flower bud:

10 **Size:** 30 to 50 mm in length. Bud diameter is 10 to 20 mm.

Bud form: Long ovoid.

Bud color: Red-Purple Group 61A at 1/4 opening.

15 **Peduncle:**

Surface: Smooth.

Length: 90 to 120 mm average length.

Color: Green Group 137B.

Strength: Strong. Erect.

20 **Receptacle:** None observed.

Flower Arrangement:

Borne: Singly.

Flower bloom:

25 **Size:** 100 to 120 mm in diameter. 45 mm in depth.

Profile:

Upon opening, flowers are flat to
concave, with slightly reflexing tepals
Color:

Upon opening:

5 Upper surface is Red-Purple Group
71A. The reverse side is Red-Purple
Group 71A. A central bar, the color
of Red-Purple Group 72B extends the
length of the tepal on both the
10 upper and lower surfaces.

After opening:

 Upper surface is Red-Purple Group
71A. The reverse side is Red-Purple
Group 72A. A central bar, the color
15 of Red-Purple Group 72B extends the
length of the tepal on both the
upper and lower surfaces.

Variations: At the base, tepals are Red-
Purple Group 61A and White Group
20 155A.

General Tonality: Red-Purple Group 71A.

Fragrance: None to very light floral scent.

Lasting quality on plant: 5 to 10 days.

Lasting quality as a cut flower: 1 to 3 days.

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Tepals:

Quantity: Single. Six tepals on average.

Size: 55 mm in length by 32 mm wide.

Shape: Individual tepal shape is obovate.

Cross section: Reflexed.

5 Margins: Entire.

Undulation of margin: Absent.

Tepal apex: Cuspidate.

Recurvature of tip: Slight.

Arrangement: Tepals are arranged regularly.

10 **Reproductive Organs:**

Arrangement: Open.

Pollen:

Quantity: Abundant.

Color: Yellow Group 11B.

15 Anthers:

Size: 4 to 7 mm in length.

Color: Yellow Group 11B.

Quantity: 80 (actual count).

Filaments:

20 Color: White Group 155A.

Length: 12 mm.

Pistils:

Color: Yellow Group 11B.

Stigmas: As the flower ages, stigmas

25 increasingly protrude from the anthers and filaments.

Styles:

Color: Yellow Group 11B.

PLANT

5 **Plant form:** Climbing and spreading.

Plant growth: Moderately vigorous.

Size: Seasons growth attains 1.5 to 2
meters in height. Average spread is
0.75 meters.

10 **Hardiness:** Trials to date show the variety hardy
in USDA Zones 4-9.

Stems:

15 Color: Young wood: Green Group 138A with
intonations of Greyed-
Purple 183C.

Older wood: Greyed-Orange Group
165C.

Internodes:

20 Shape: Cylindrical.
Length: 100 to 120 mm.

Surface:

Young wood: Smooth.
Older wood: Smooth.

25 **Plant foliage:**

Leaf characteristics: Deciduous.

Mature Leaf form: Pinnate. There are 3
leaflets on average.

Compound Leaf size: Mature compound leaves are
180 to 210 mm in length by
150 to 180 mm wide.

Color:

Upper surfaces of mature leaves
are Green Group 137B. Lower
surfaces are Green Group 137B.

Plant leaves and leaflets:

Petioles:

Size: Average length: 60 to 80 mm.

Color: Green Group 137B.

Clasping: By leaf petiole.

Surface texture underneath: Smooth.

Stipules: Absent.

Leaflet Shape:

Base: Rounded to cordate.

Apex: Acute.

Margin: Undulate.

Leaflet Size: 80 mm (l) x 50 mm (w).

Texture:

Upper Surface: Rough. Matte appearance.

Lower Surface: Rough. Glossy appearance.

Thickness: Moderate.

Disease resistance:

Subject to any disease that normally attacks the

species, however the variety is more tolerant to mildew than some Clematis.